Avid Technology, Inc.
iNEWS™ MOS Gateway
Version 1.0 Release Notes

This document includes vendor-specific configuration details for iNEWS-MOS integration, a list of known problems and limitations, and references to other iNEWS newsroom computer system documents.

The iNEWS MOS Gateway software is qualified and supported for use on the Windows 2000 operating system.

The iNEWS MOS Gateway software requires the iNEWS 1.4 server software. The iNEWS 1.4 server software is qualified and supported for use on the SCO 5.05 and 5.06 and SGI/IRIX 6.5.3 and 6.5.11 operating systems.

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iNEWS Newsroom Computer System Documentation

- The *MOS Gateway Installation & Operations Manual v1.0* describes the installation process and provides configuration and maintenance information for system administrators.
- The *iNEWS Newsroom Computer System Release Notes* provide installation, administration, and user-level information that may not have been available at the time the other documentation was printed.
- The iNEWS newsroom computer system's online help system gives you quick-reference information about user-level software functions.
- The *Newsroom Computer System Operations Manual v1.3* describes the user workstation and server software functions and provides system configuration information for system administrators.

Specifying a Channel on an Item

For an individual MOS item that appears in a script, the user can select the playout channel on the MOS device that will put the referenced media object on air. To enable channel assignment, you must be running:

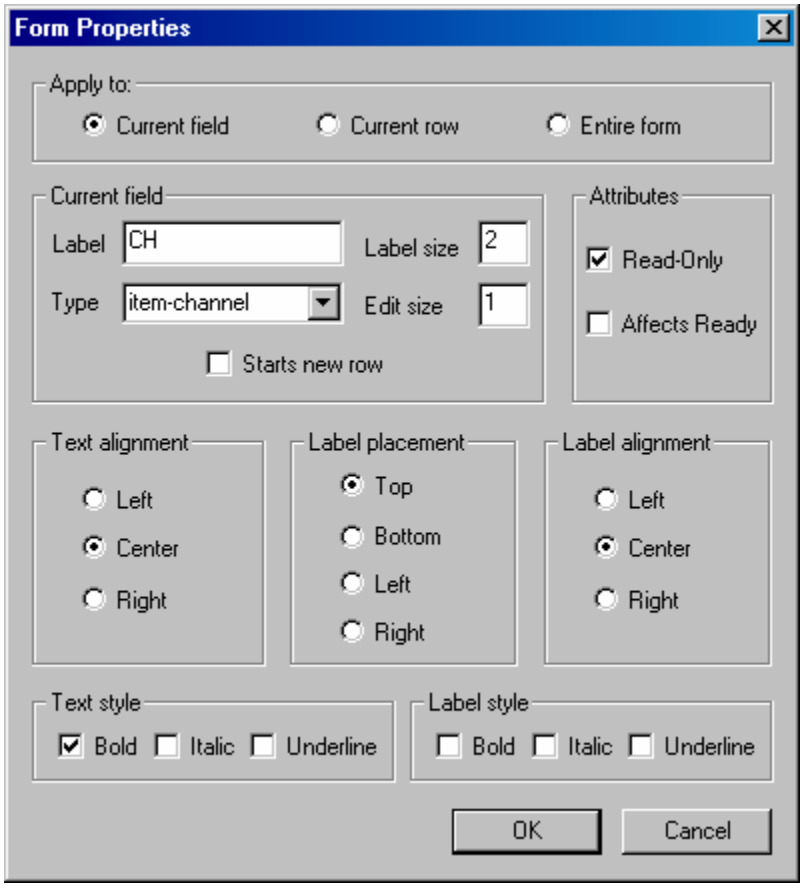
- iNEWS Server 1.4.0.17 or higher,
- iNEWS Workstation 1.4.1.42 or higher, and
- iNEWS MOS Gateway 1.0.0.246 or higher.

On the iNEWS Server, you must change the SYSTEM.MOS-MAP story.

1. Look in the MOS-MAP story for the line in the DeviceTable that maps the MOS device's MOS ID to an iNEWS device name.
2. Add the available playback channel names for that device to the end of the line, separated by spaces. Example:

   ```
   sony sonyem A B C D
   ```

   The channel names can be up to seven characters long. If the device has channel names that are longer than seven characters, you must use a shorter name and map it to the actual channel name in the `<roChannels>` table of the MOS Gateway configuration file. See the *iNEWS MOS Gateway Installation & Operations Manual*, page 5-12, for more details.
3. This step is only necessary if you want to set the channel on a MOS item in a story header; it is not necessary if all MOS items will be in a story body. Add a read-only field of type "item-channel" to the queue and story forms assigned to the rundown. You must type in the field type, as it is not currently in the drop-down list in iNEWS 1.4.1 (it will appear in iNEWS 1.5). Example:



After these configuration changes are made, the user can assign a channel to a MOS item as follows:

1. Changing the channel is done via menu commands or shortcut keys, not by typing in the item-channel field. You can access the channel change feature in several ways:
   - Select the "Assign Channel…" option from the Story drop-down menu
   - Right-click in the form area of the story and select the "Assign Channel…" option
   - Right-click in the MOS Production queue of the story and select the "Assign Channel…" option
   - Type Shift-ALT-C while the focus is on a line in the rundown queue

   Any of these brings up a dialog box:

   The channels entered into the MOS-MAP story will appear in the drop-down list. You can either choose a channel from the list or type in a different channel.

You can automate the process of specifying an item channel with toolbar buttons or keyboard macros. Here is an example of a toolbar button macro that changes the item channel to A:

```
{shift {alt c}}{home}{shift {end}}{backspace}A{enter}{ctrl s}
```

After you change the channel, if the show is loaded in the monitor server, the changes will be sent to the MOS device.

Vendor-Specific Configurations

Configuring Separate Omnibus Columbus Engines

If you are configuring MOS Gateway to control an OmniBus system with multiple Columbus engines, iNEWS allows the user to choose which Columbus system receives the rundown at load time. You must add the names of Columbus engines as channel names in the `SYSTEM.MOS-MAP` story. Thus, if Columbus engines are CBS1 and CBS2, the DeviceTable in the `SYSTEM.MOS-MAP` story will contain a line that looks something like this:

```
MOSGATE  omnimos  CBS1  CBS2
```

Then, when the user loads a rundown to the OmniBus MOS Gateway, the following dialog box will appear before the Monitor Queue dialog box closes:

The channels CBS1 and CBS2 are also defined in the mosconfig.xml file on the MOS Gateway server. CBS1 will be mapped to the name of the first Columbus engine, and CBS2 will be mapped to the second Columbus engine. That Columbus engine names are usually defined by the Columbus system administrator, during installation

The Channel drop-down list contains CBS1 and CBS2. The user must choose a channel; the channel cannot be left blank.

Configuring Separate Sony MAV Server Regions

The Sony MAV Server can contain multiple regions. If you want to control multiple regions, then the site administrator must configure the iNEWS Server and MOS Gateway to treat each region as a separate MOS device. This requires some additional names to be put in various places. There are four main steps:

- Find the MOS ID for each region
- Create a device name for each region
- Create a host alias for each region

- Configure the MOS Gateway for each region

Find the MOS ID for each region

The Sony NCS Gateway must be configured to connect to separate regions and the iNEWS MOS Gateway. The NCS Gateway configuration file (`NCSGW.ini`) contains MOS IDs for all regions the NCS Gateway controls. They appear in the `[MOS]` section of the file. An example follows:

```
[MOS]
      [MOS\0001]
            MOSID="SONY1"
            REGION="OAS1"
            ChA="A"
            ChB="B"
            ChC="C"

      [MOS\0002]
            MOSID="SONY2"
            REGION="OAS2"
            ChA="A"
            ChB="B"
            ChC="C"
```

Here the region named OAS1 has a MOS ID of SONY1 and the region named OAS2 has a MOS ID of SONY2.

Create a device name for each region

The site administrator must configure iNEWS to recognize these MOS IDs. The administrator must create a device name for each region MOS ID, and enter it in the DeviceTable in the `SYSTEM.MOS-MAP` story. An example using the MOS IDs above is:

```
TABLE-START DeviceTable
SONY1  Region1
SONY2  Region2
TABLE-END
```

For more details about the iNEWS configuration, see the *iNEWS MOS Gateway Installation and Operations Manual*.

Create a host alias for each region

The site administrator must make the iNEWS Server think each region is a separate MOS device. To do this, take each device name created in the last step and make it a host alias for the iNEWS MOS Gateway that connects to the Sony MAV Server. This is done by editing the `/etc/hosts` file on the iNEWS Servers. For example, the `/etc/hosts` file may contain a line that looks something like this:

```
192.168.1.1       mosgw Region1 Region2
```

This tells the iNEWS Server that the three host aliases — mosgw, Region1, and Region2 — all refer to the same IP address. See the *Newsroom Computer System Operations Manual v1.3* for more details on how to edit the `/etc/hosts` file.

Configure the MOS Gateway for each region

The MOS Gateway must treat each region as a separate MOS device. To do this, make one `<mosDevice>` group of lines for each region. All the settings except the `<names>` group should be the same among the region `<mosDevice>` groups. The names should be set using the names you have already discovered. Example:

```
<names>
      <mos>SONY1</mos>
      <amcp>Region1</amcp>
```

```
        <network>ncs_gateway_host_name</network>
    </names>
```

Here the ncs_gateway_host_name should be replaced by the actual host name of the computer that runs the NCS Gateway. This value should also remain the same among all the region `<mosDevice>` groups, since a single NCS Gateway controls all the regions on a MAV Server.

Known Problems & Limitations

iNEWS Workstation

- **SONY: Max of 10 ActiveX connections to NewsBase if Sony's Database is on NT Workstation** (AR 10217)
  NT Workstation 4.0 allows only 10 concurrent connections. The Sony Filing Control and Material List Control each require a connection to the Sony database, limiting the number of users.
- "**Import from plugin" option in popup menu not working** (AR 10165)
  The "Import from Plugin" option in the popup menu in the story body is not displaying the Active X control that is currently open on screen. Instead, it says "not available". The "Import from Plugin" option in the Story drop menu does, however, display the open ActiveX control, so it appears that the problem is specific only to the popup menu. The "Replace from Plugin" popup menu option does display properly if you right click on an existing MOS item in the story body.
  Also, the “Import from Plugin” and “Replace from Plugin” options do not work (in any of the menus) when using the Sony Filing Control or the OmniBus Desktop Controls. This is a limitation of these particular controls, not a limitation of the iNEWS Workstation.

MOS Gateway

- **Gateway aborts if download attempted when Sony NCS Gateway only made metadata connection** (AR 9740)
  Normally, two connections are made between the iNEWS and Sony gateways, as shown in the Sony gateway log. Under certain conditions that we have not yet learned to consistently reproduce, only the metadata connection was being made. The Monitor Load command would then cause the iNEWS MOS Gateway to abort.
- **Sometimes can't stop router service** (AR 9927)
  Under certain conditions that we have not yet learned to consistently reproduce, the MOS Gateway Router service cannot be stopped by the Services control panel.
- **MOS Gateway aborts if Attachments not found in story** (AR 9737)
  The iNEWS Workstation can apparently corrupt a story with MOS items to the point where there are grommets indicating MOS production cues but no actual MOS items attached to those production cues. MOS Gateway would abort upon receiving the story. This seems to happen infrequently; the steps to reproduce it are not known.

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October 19, 2001
Printed in the United States of America